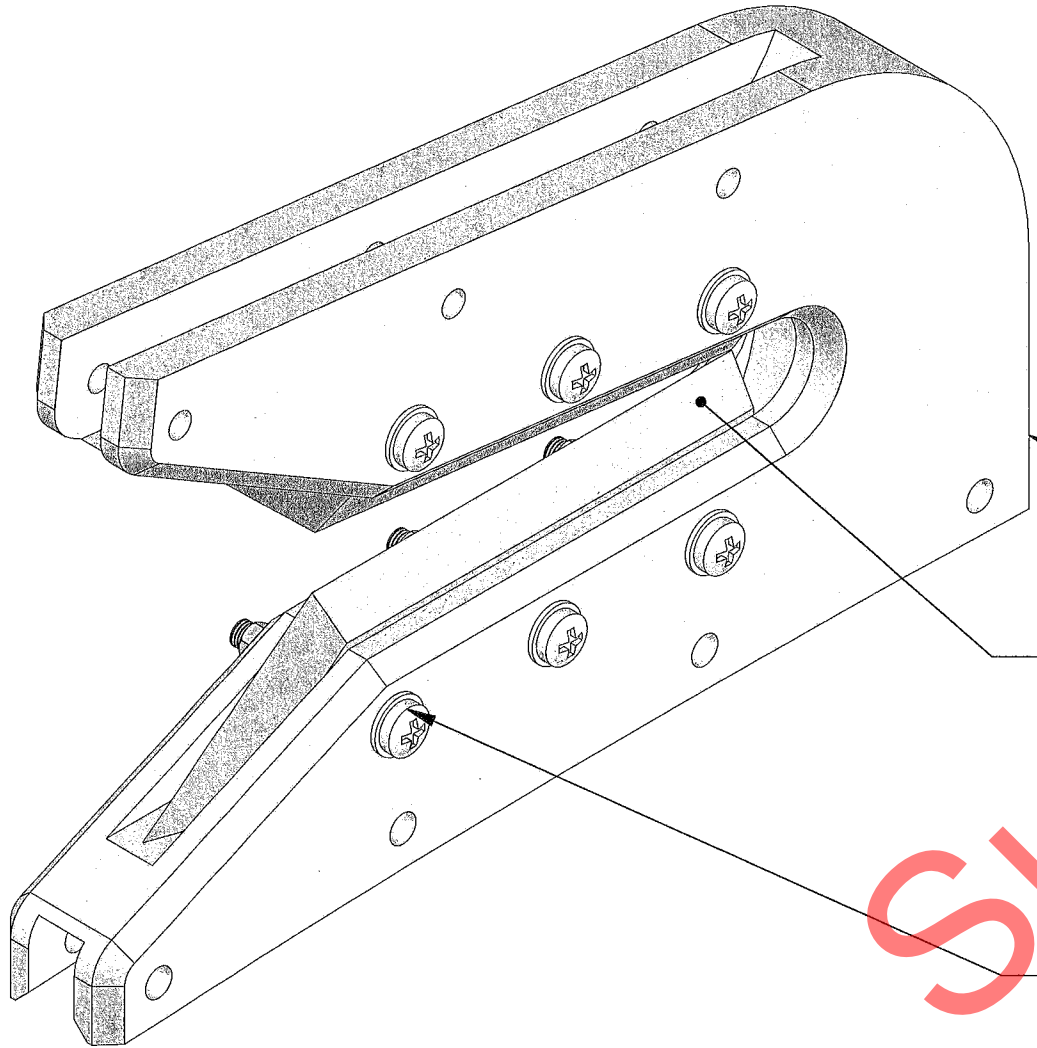


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REVISIONS				REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED	REV.	DESCRIPTION	DATE	APPROVED
E	INCORPORATED ECN 05345, 05360 & 05951	03/30/18	P. BRAVO		LAST PROTOTYPE REVISION : PR2		N/C
F	INCORPORATED ECN 06153	01/25/19	P. BRAVO	NC	INITIAL RELEASE	03/29/09	P. BRAVO
G	INCORPORATED ECN 06158	02/13/19	P. BRAVO	A	INCORPORATED ECN 02744, 03838, 03912	06/06/13	P. BRAVO
				B	INCORPORATED ECN 03967	07/03/13	P. BRAVO
				C	INCORPORATED ECN 04039	08/09/13	P. BRAVO
				D	INCORPORATED ECN 05329	02/26/16	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH IAW MPP-172 SECTION 2.1, 3.3 & 4.3.
- 3 MATERIAL: AISI A2 TOOL STEEL  
CONDITION: ANNEALED  
POST PROCESS: HEAT TREAT TO 58-62 Rc ROCKWELL HARDNESS
- 4 FINISH: PRIME IAW MPP-172 SECTION 3.3; 1-2 MIL MAX
5. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED
6. IDENTIFY IAW MPP-120
- 7 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 UPON ASSEMBLY
- 8 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE
- 9 ALL DIMENSIONS NOT SPECIFIED ARE CONTROLLED BY 646.9710.



1 OR 7 OR 8 OR 9

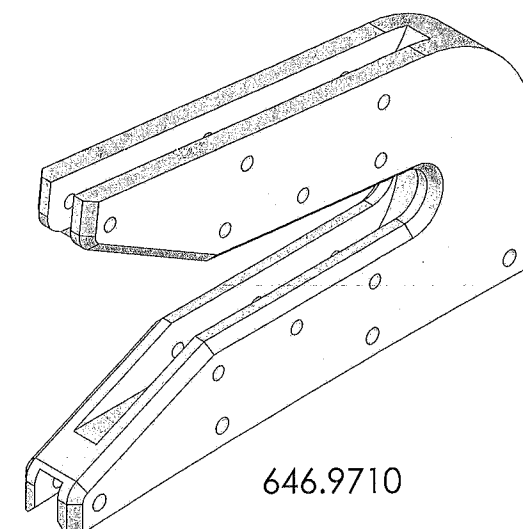
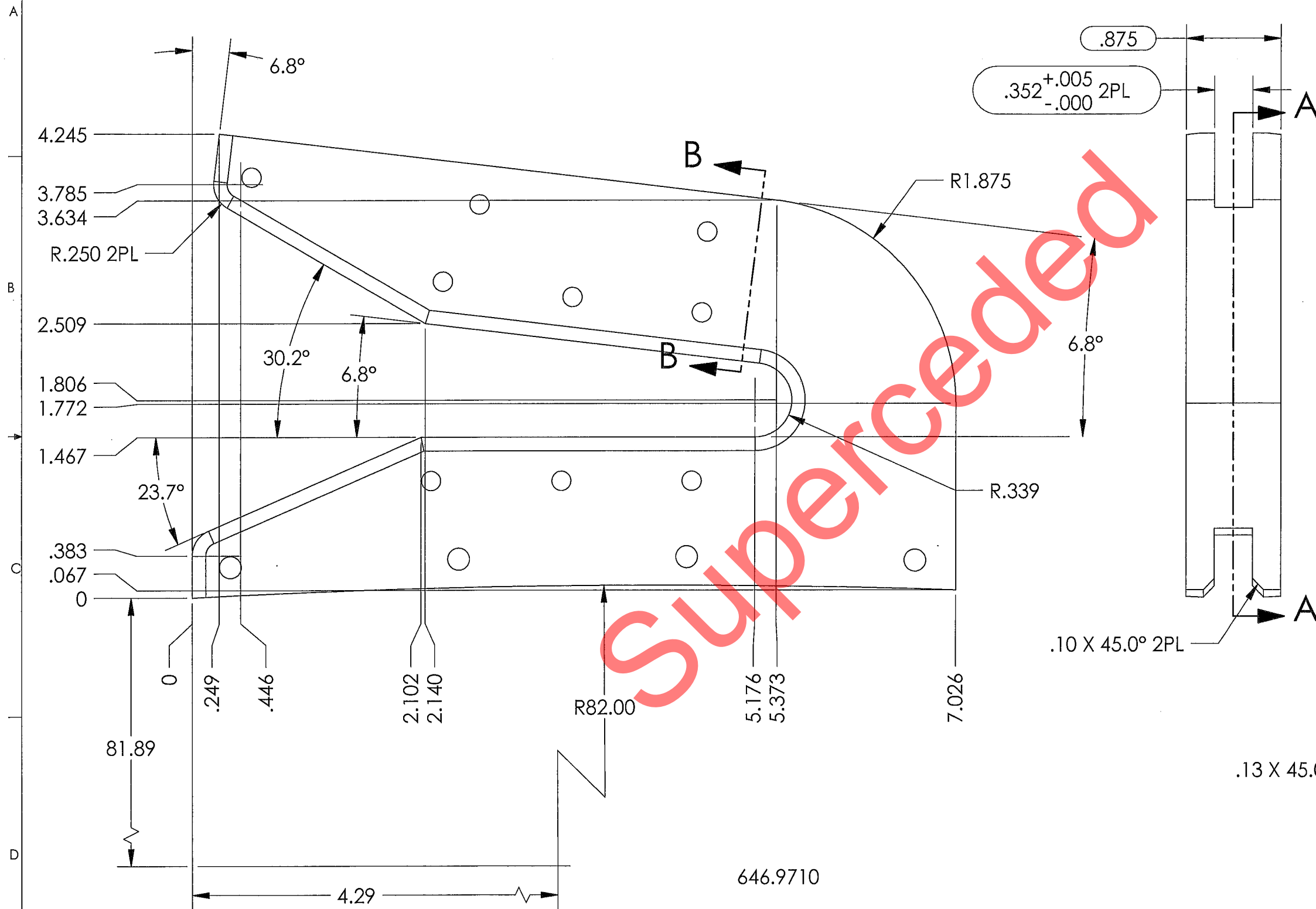
2 2PL

3 6PL  
4 12PL  
6 6PL

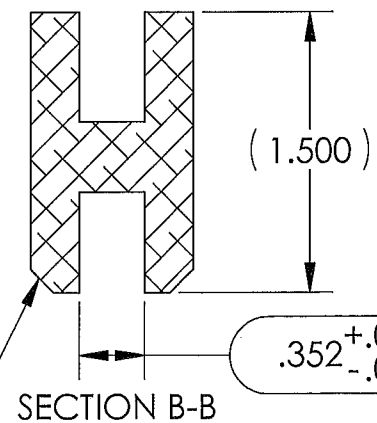
646.9701 SHOWN  
646.9702, 646.9703, & 646.9704 TYP

1				9	646.9714	BODY	<div>1</div>	<div>2</div> <div>9</div>		
	1			8	646.9713	BODY	<div>1</div>	<div>2</div> <div>9</div>		
		1		7	646.9712	BODY	<div>1</div>	<div>2</div> <div>9</div>		
6	6	6	6	6	601.1541	LOCKNUT	MS21042L08			
A/R	A/R	A/R	A/R	5	601.2045	RTV, LOCTITE 598				
12	12	12	12	4	601.2764	WASHER	NAS1149FN832P			
6	6	6	6	3	601.2765	SCREW	MS27039-0819			
2	2	2	2	2	646.9711	BLADE		<div>4</div>		
			1	1	646.9710	BODY	<div>1</div>	<div>2</div>		
X					646.9704	CUTTER SUB ASSY				
	X				646.9703	CUTTER SUB ASSY				
		X			646.9702	CUTTER SUB ASSY				
			X		646.9701	CUTTER SUB ASSY				
.9704	.9703	.9702	.9701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.		
QTY				PARTS LIST						
NEXT ASSY (S)				ORIGINAL DATE (MO-DA-YR) 05-29-09		<div><div><div>DART</div><div>AEROSPACE</div><div>APICAL INDUSTRIES, INC. dba DART AEROSPACE</div></div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div></div>				
646.9600				DRAWN BY R. ROSANO					CHECKER P. BRAVO	
647.1400				DRAWING APPROVAL P. BRAVO 05-29-09						
				CONTRACT No.						
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CUTTER SUB ASSEMBLY				
						SIZE B	CAGE CODE 07MZ6	DWG. NO. 646.9700	REV. G	
						SCALE NONE		SHEET 1 OF 8		

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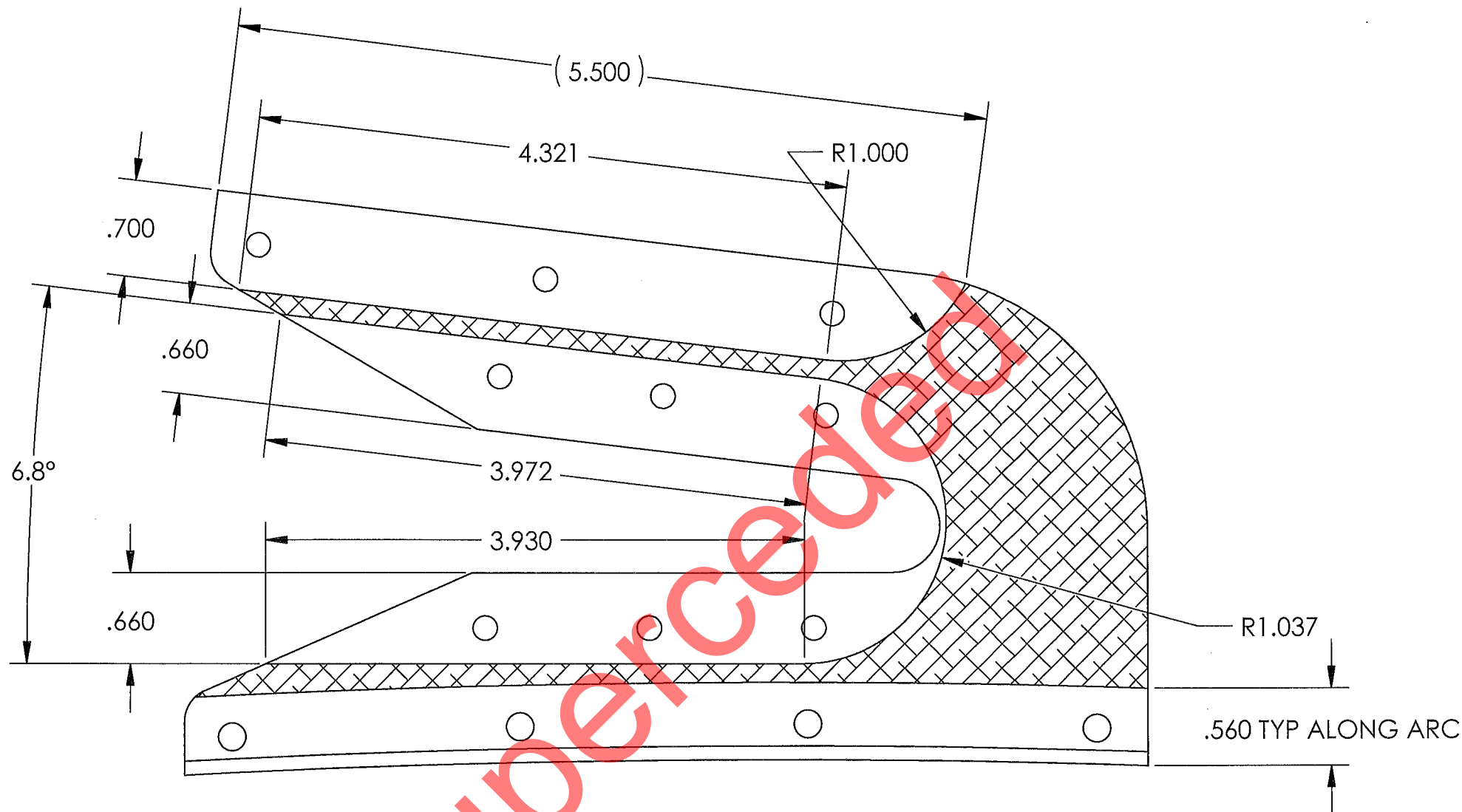
3  
B4



.13 X 45.0° TYP.

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A AEROSPACE VISTA, CA. 92081 APICAL INDUSTRIES, INC. dba DART AEROSPACE (760)-724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. G
CAGE CODE 07MZ6		DWG. NO. 646.9700	SHEET 2 OF 8
SCALE NONE		CUTTER SUB ASSEMBLY	

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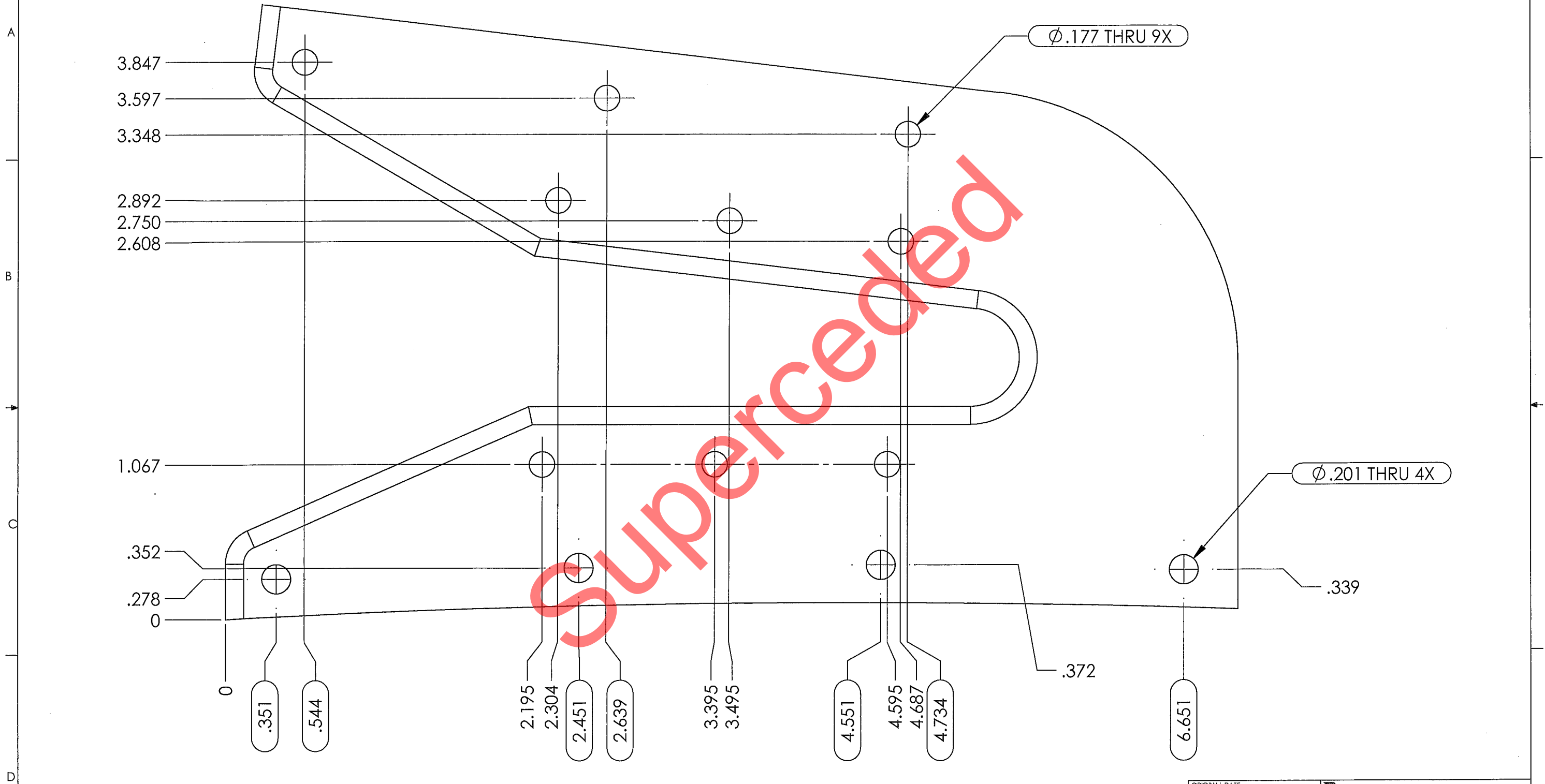


SECTION A-A  $\frac{2}{C6}$

646.9710

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. G
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		DWG. NO. 646.9700	SHEET 3 OF 8
		SCALE NONE	

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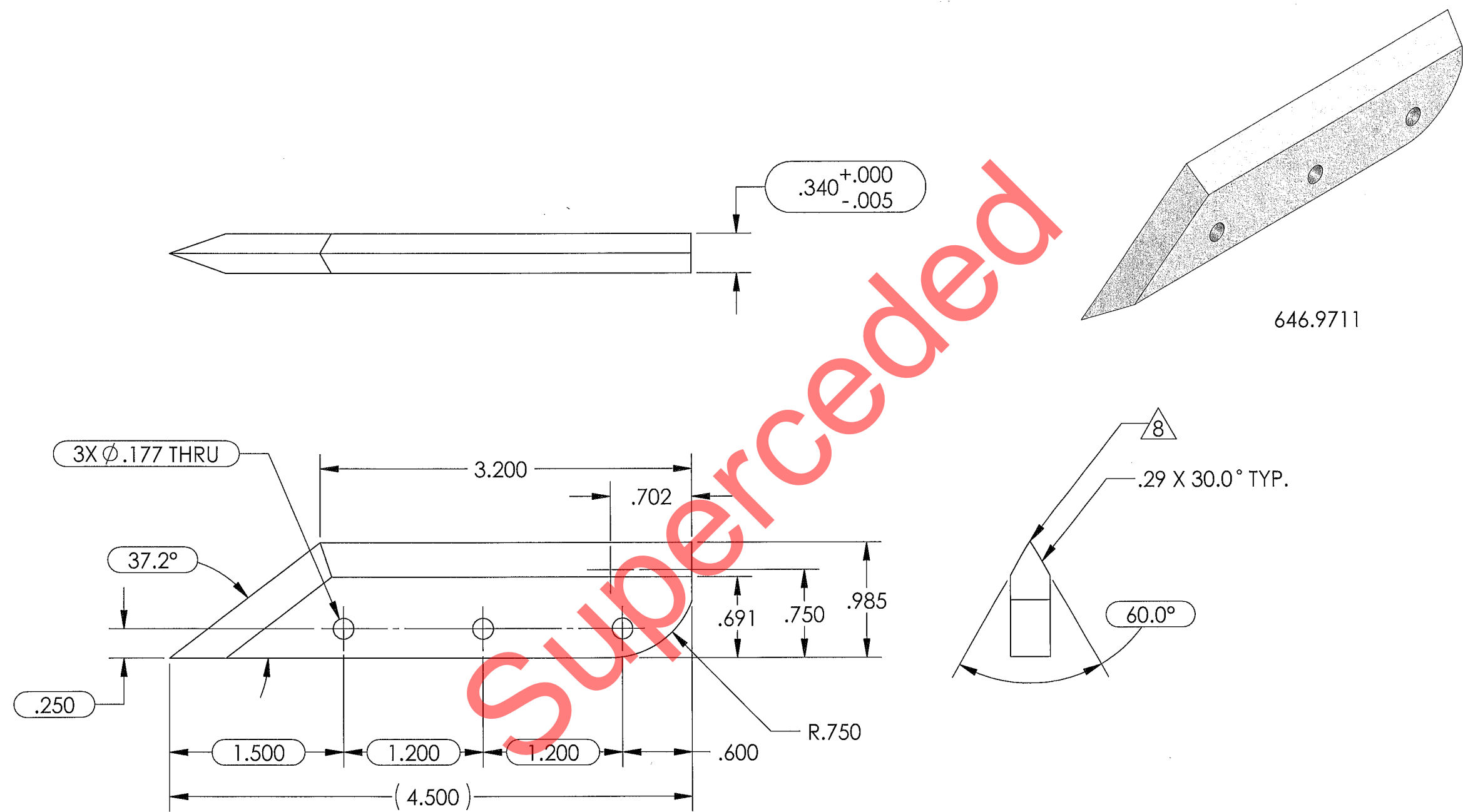


HOLE LOCATIONS +/- .002

646.9710

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., AEROSPACE SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. dba DART AEROSPACE (760)-724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. G
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		SCALE NONE	SHEET 4 OF 8

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DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. G
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		SCALE NONE	SHEET 5 OF 8



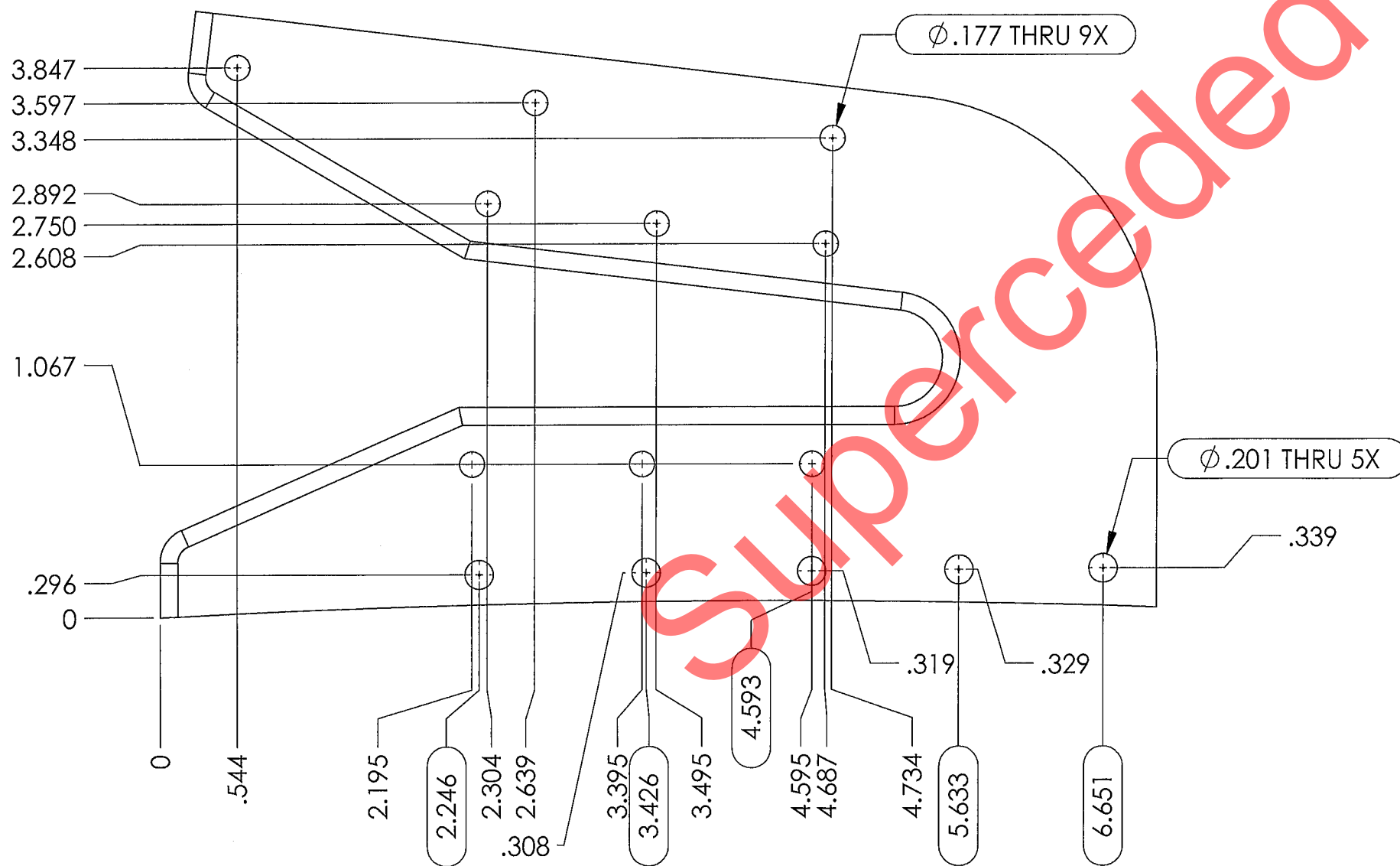
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A

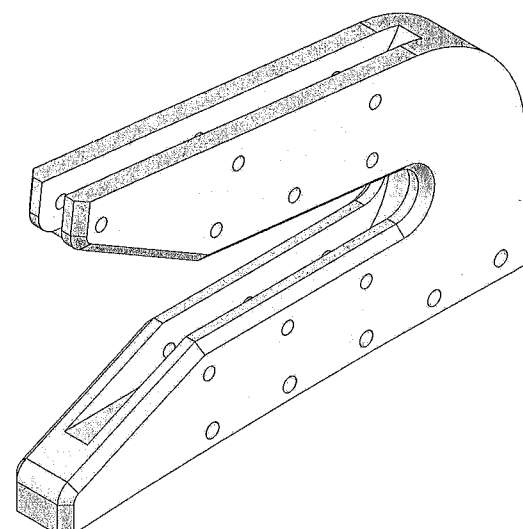
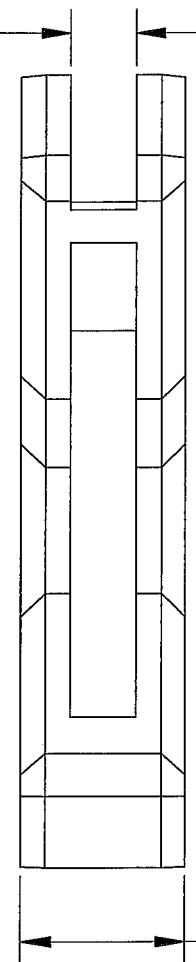
B

C

D



.350



646.9712  $\triangle 9$

646.9712

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. G
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 646.9700
		SCALE NONE	SHEET 6 OF 8

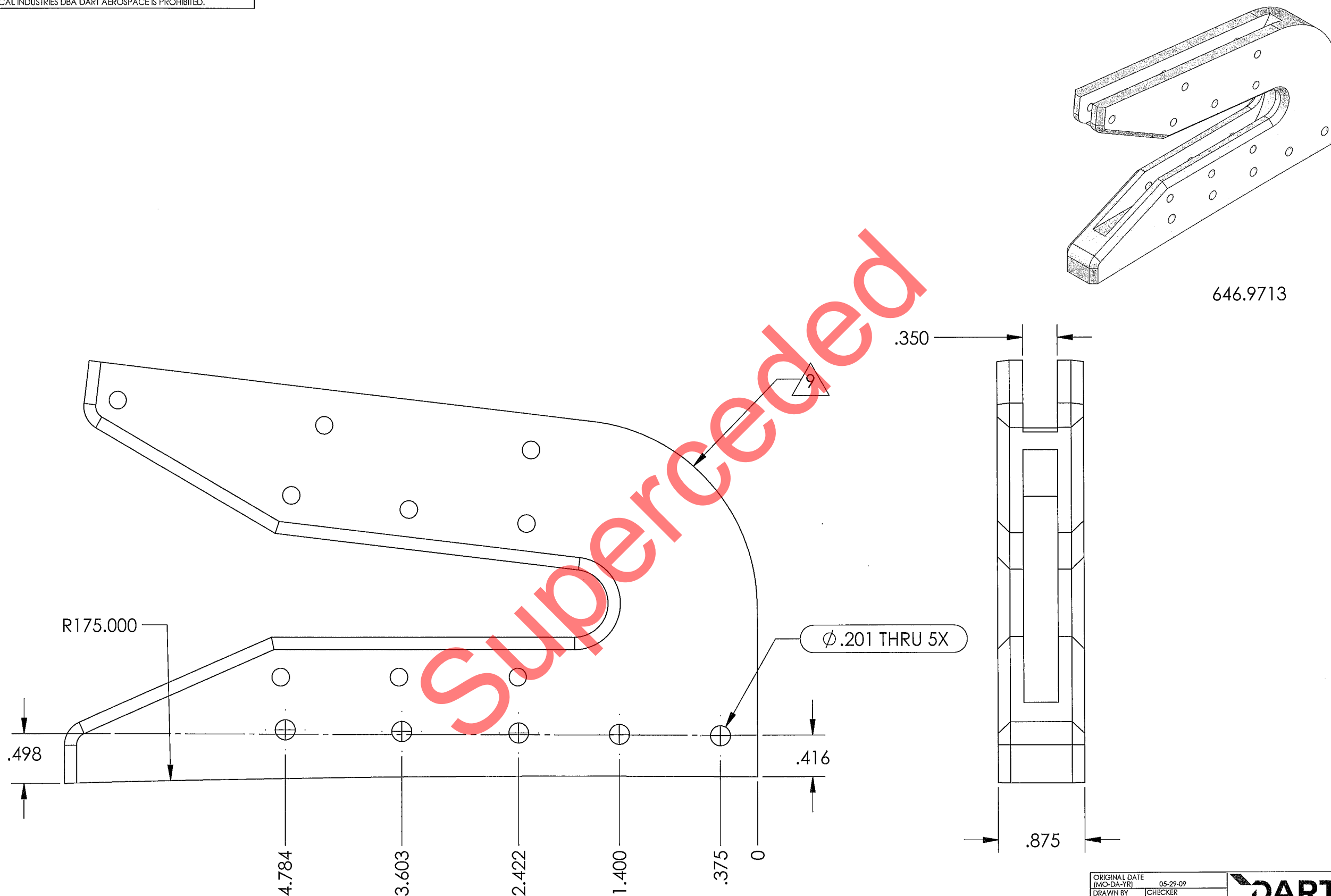
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A

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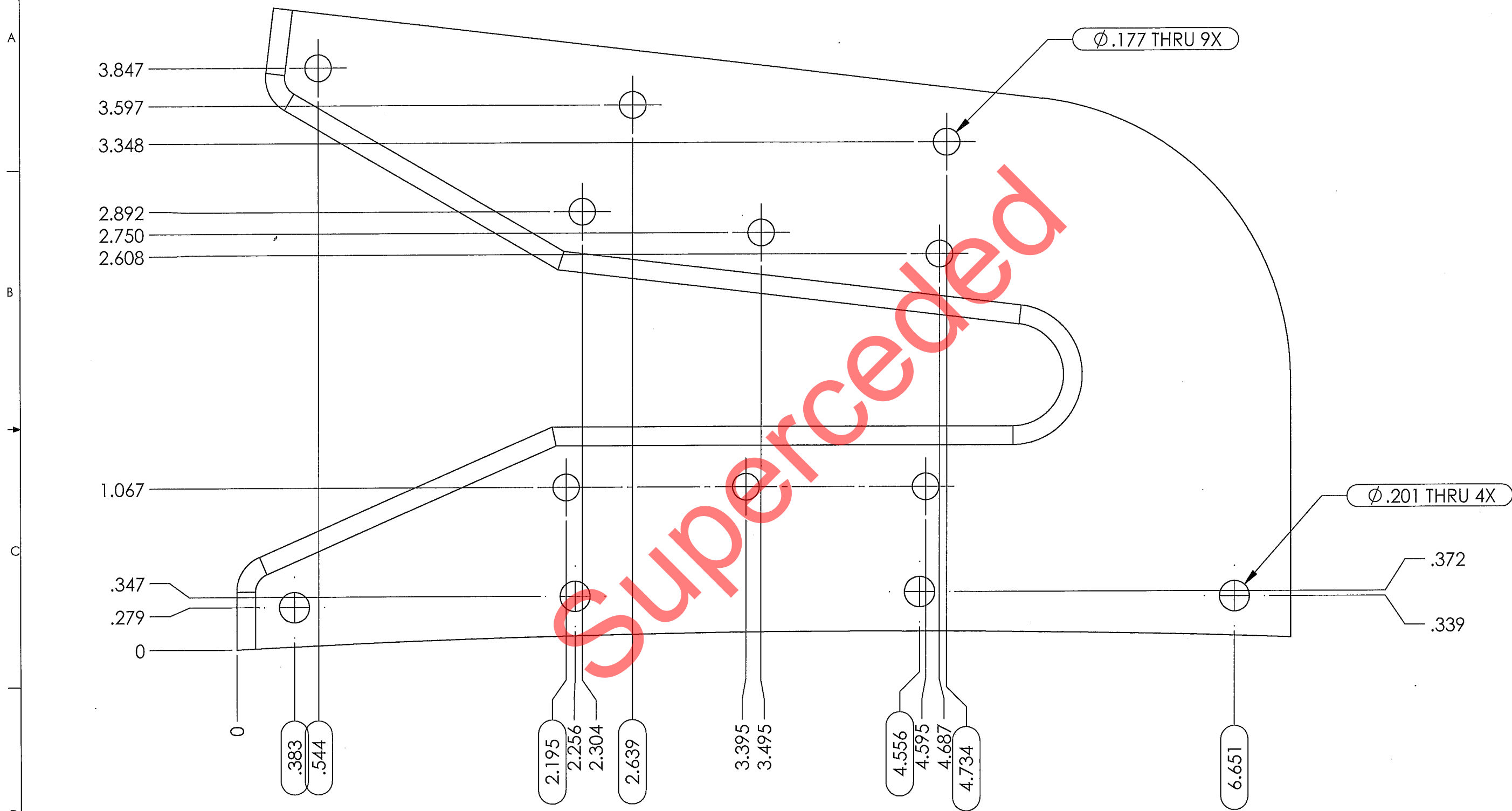


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(MO-DA-YR) 05-29-09  
DRAWN BY R. ROSANO  
CHECKER P. BRAVO  
DRAWING APPROVAL  
P. BRAVO  
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CONTRACT No.

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3 PLACE DECIMALS ±.005  
ANGLES ±.5°

**DART** AEROSPACE  
APICAL INDUSTRIES, INC.  
dba DART AEROSPACE  
3030 ENTERPRISE CT.,  
SUITE A  
VISTA, CA. 92081  
(760)-724-5300  
**CUTTER SUB ASSEMBLY**  
SIZE B CAGE CODE 07MZ6 DWG. NO. 646.9700 REV. G  
SCALE NONE SHEET 7 OF 8

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SIZE B CAGE CODE 07MZ6 DWG. NO. 646.9700 REV. G  
SCALE NONE SHEET 8 OF 8